

key

<input type="checkbox"/>	= end system on "default" VLAN (17)
<input type="checkbox"/> ■	= end system on "red" VLAN (18)
<input checked="" type="checkbox"/>	= end system on "blue" VLAN (19)

Fig. 1

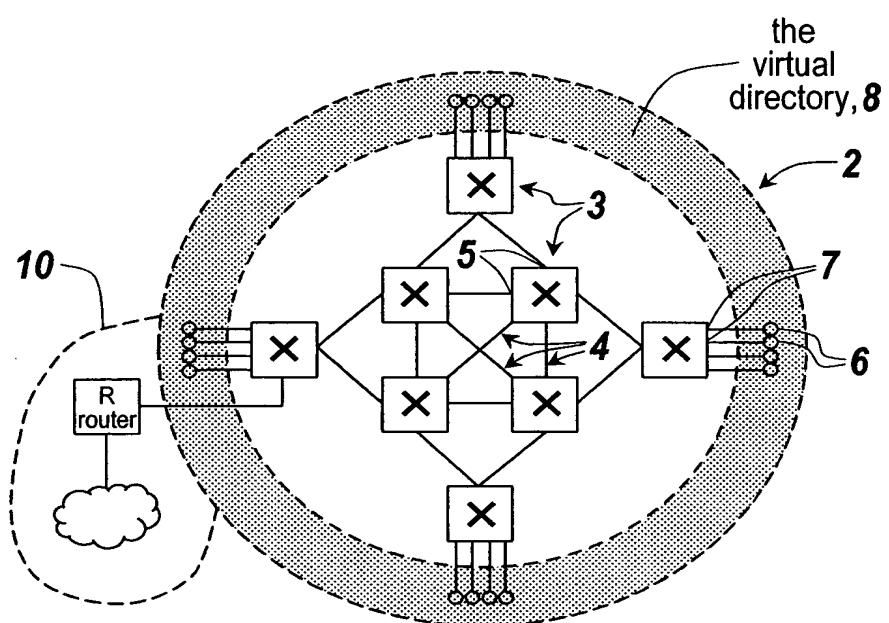


Fig. 2

3/21

Local Directory - Nodes		Switch Port	Device MAC Address	Node State	Call Tag	Last Heard	Age	Alias Count	VLAN Count
Port	MAC Address								
2	08:00:20:18:7A:E4	Local	3860	0 days 00:00:00.00	0 days 00:10:46.14	1	1		
6	00:00:10:1A:12:DE	Virtual Mode	0000	0 days 00:00:00.00	0 days 00:00:00.00	1	0		
1	00:00:F6:00:5E:EB	Local	372b	0 days 00:00:00.00	0 days 00:11:23.56	1	1		
2	00:00:F6:00:5D:E7	Local	37f6	0 days 00:00:00.00	0 days 00:10:47.02	1	1		
2	08:00:20:0E:47:C4	Local	3870	0 days 00:00:00.00	0 days 00:10:46.19	1	1		
2	08:00:20:1F:FF:8F	Local	37e3	0 days 00:00:00.00	0 days 00:10:47.18	1	1		
2	08:00:20:1F:C1:72	Local	37d5	0 days 00:00:00.00	0 days 00:10:47.34	1	1		
2	08:00:20:20:00:6D	Local	37f7	0 days 00:00:00.00	0 days 00:10:47.12	1	1		
2	08:00:20:73:C9:11	Local	3800	0 days 00:00:00.00	0 days 00:10:47.09	1	1		
2	00:00:78:00:01:BE	Local	3892	0 days 00:00:00.00	0 days 00:10:46.08	1	1		
1	08:00:69:07:9C:68	Local	37c3	0 days 00:00:00.00	0 days 00:11:22.74	1	1		
2	00:00:1D:0E:94:57	Local	3851	0 days 00:00:00.00	0 days 00:10:46.54	1	1		
1	00:00:8E:06:12:52	Local	37c0	0 days 00:00:00.00	0 days 00:11:22.89	1	1		
2	00:00:1D:18:67:38	Local	37cd	0 days 00:00:00.00	0 days 00:10:47.60	2	1		
2	08:00:20:71:A0:D6	Local	37da	0 days 00:00:00.00	0 days 00:10:47.51	1	1		
1	00:00:1D:0B:67:3B	Local	37bd	0 days 00:00:00.00	0 days 00:11:22.99	1	1		
1	00:00:1D:17:FC:2E	Local	37c2	0 days 00:00:00.00	0 days 00:11:22.92	0	1		
2	00:00:1D:1E:89:FE	Local	3890	0 days 00:00:00.00	0 days 00:10:46.31	1	1		
1	00:00:1D:1F:12:FA	Local	0000	0 days 00:00:00.00	0 days 00:11:23.88	0	1		

Fig. 3A

4/21

Switch Owner	Switch Port	Device MAC Address	Alias Type	Alias Address	VLAN Policy	VLAN ID
00:00:1D:1A:12:DE	2	00:00:1D:0E:94:57	IP	134.141.42.90	1-Other	Red
00:00:1D:1A:12:DE	2	08:00:20:1F:FF:8F	IP	134.141.42.77	1-Other	Red
00:00:1D:1A:12:DE	2	00:00:1D:18:67:38	IP	134.141.42.61	1-Other	Blue
00:00:1D:1A:12:DE	2	00:00:1D:18:67:38	IP	134.141.106.54	1-Other	Blue
00:00:1D:1A:12:DE	2	00:00:F6:00:5E:EB	IP	134.141.106.53	1-Other	Red
00:00:1D:1A:12:DE	1	08:00:69:07:9C:68	IP	134.141.42.50	1-Other	Blue
00:00:1D:1A:12:DE	1	08:00:20:71:A0:D6	IP	134.141.43.42	1-Other	Default
00:00:1D:1A:12:DE	2	00:00:1D:18:67:38	IP	134.141.42.35	1-Other	Red
00:00:1D:1A:12:DE	2	00:00:8E:06:12:52	IP	134.141.40.32	1-Other	Red
00:00:1D:1A:12:DE	1	08:00:20:73:C9:11	IP	134.141.45.30	1-Other	Red
00:00:1D:1A:12:DE	2	00:00:1D:18:67:38	IP	134.141.43.29	1-Other	Red
00:00:1D:1A:12:DE	2	00:00:1D:18:67:38	IP	134.141.180.20	1-Other	Default
00:00:1D:1A:12:DE	1	00:00:10:1A:12:DE	IPX	0.221867380001DCB673	1-Other	Default
00:00:1D:1A:12:DE	6	00:00:F6:00:5D:E7	IP	134.141.42.240	1-Other	Default
00:00:1D:1A:12:DE	2	08:00:20:1F:C1:72	IP	134.141.42.213	1-Other	Blue
00:00:1D:1A:12:DE	2	08:00:20:20:00:6D	IP	134.141.42.212	1-Other	Blue
00:00:1D:1A:12:DE	2	08:00:20:18:7A:E4	IP	134.141.42.201	1-Other	Blue
00:00:1D:1A:12:DE	2	08:00:20:0E:47:C4	IP	134.141.42.150	1-Other	Red
00:00:1D:1A:12:DE	2	00:00:78:00:01:BE	IP	134.141.43.183	1-Other	Red
00:00:1D:1A:12:DE	2		IP	134.141.42.132	1-Other	Blue

Fig. 3B

Remote Directory

Fig. 4A

Broadcast / Unknown Directory

Fig. 4B

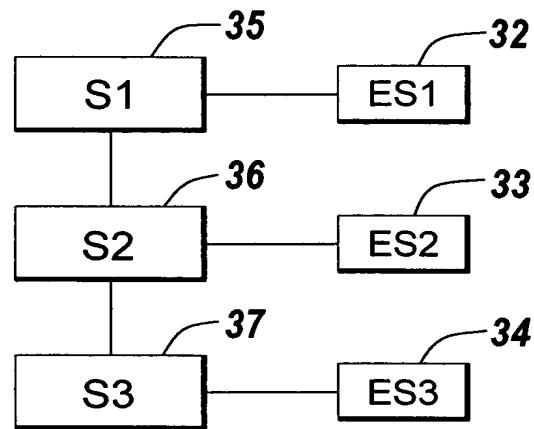


Fig. 5A

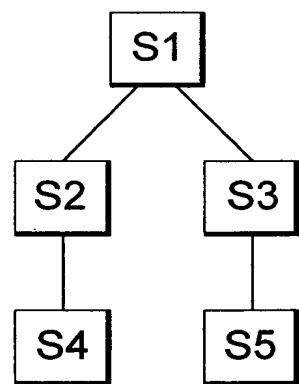


Fig. 5B

Link State Database

AreaID	Type	LSID	SwitchID	Sequence	Age	Checksum	Advertisement	...
0.0.0.0	1-switch-link	08:00:20:1d:8f:0b:00:00:00	08:00:20:1d:8f:0b:00:00:00	-214748364	0	4085	00:00:01:08:00:20:1d:8f:0b:	...
0.0.0.0	1-switch-link	08:00:20:20:00:7b:00:00:00	08:00:20:20:00:7b:00:00:00	-214748364	1	36505	00:01:00:01:08:00:20:20:00:7b:	...
0.0.0.0	2-connection-link	08:00:20:20:00:7b:00:00:02	08:00:20:20:00:7b:00:00:02	-214748364	1	35753	00:01:00:02:08:00:20:20:00:7b:	...

Fig. 6A

Link State Neighbor Database

IPAddress	IPAddressLess	SwitchID	Options	Priority	State	Events	LSRetransQLen	NBMAStatus	...
08:00:20:20:00:7b:00:00:02	0	08:00:20:20:00:7b:00:00:00	3	1	8-full	7	0	1-valid	...

Fig. 6B

Link State Switching Database

Switch Port Pair	SWDestAddr	LSTypeOne	LinkStateID	AdvR	...
00:20:20:00:7b:00:00:02	08:00:20:20:00:7b:00:00:02	00:00:00:00:00:00:00:00	02	08:00:20:20:00:7b:00:00:02	08:00:20:20:00:00:02

Fig. 6C

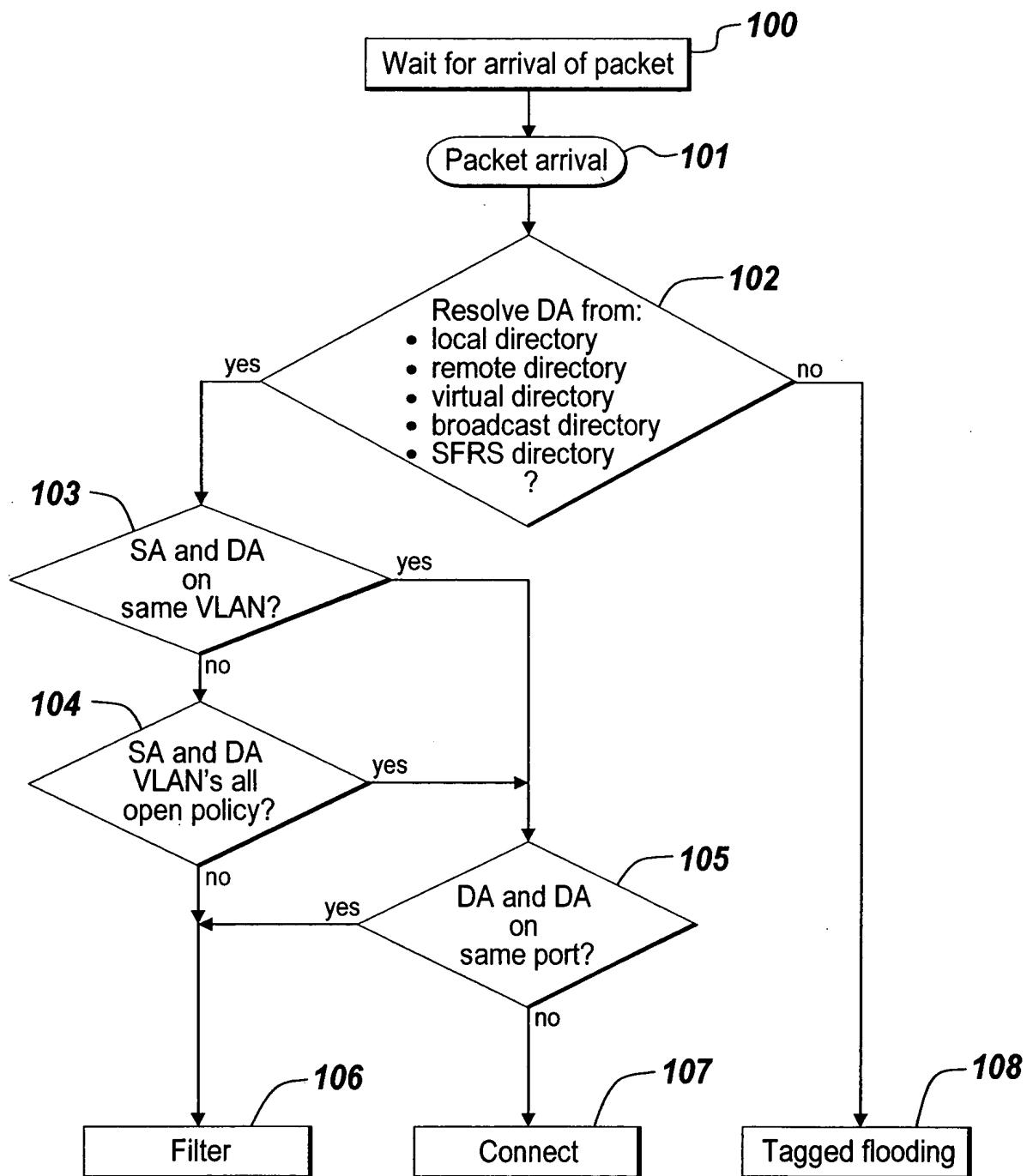


Fig. 7A

Known Unicast Rules Table

Same VLAN	Policy	Action
Yes	Open	Connect
No	Open	Connect
Yes	(one or both) Secure	Connect
No	(one or both) Secure	Filter

Fig. 7B

Unresolved Rules Table

Same VLAN	Policy	Action
✗ Don't Care	✗ Don't Care	Flood to Source VLAN

Fig. 7C

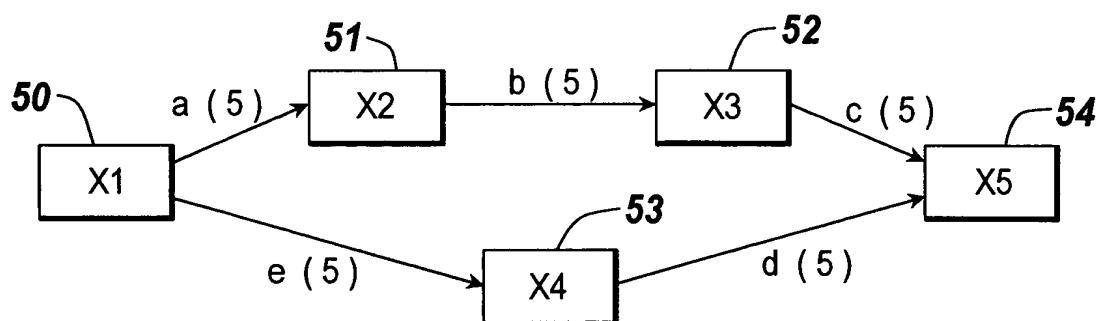


Fig. 8

Ingress State Machine

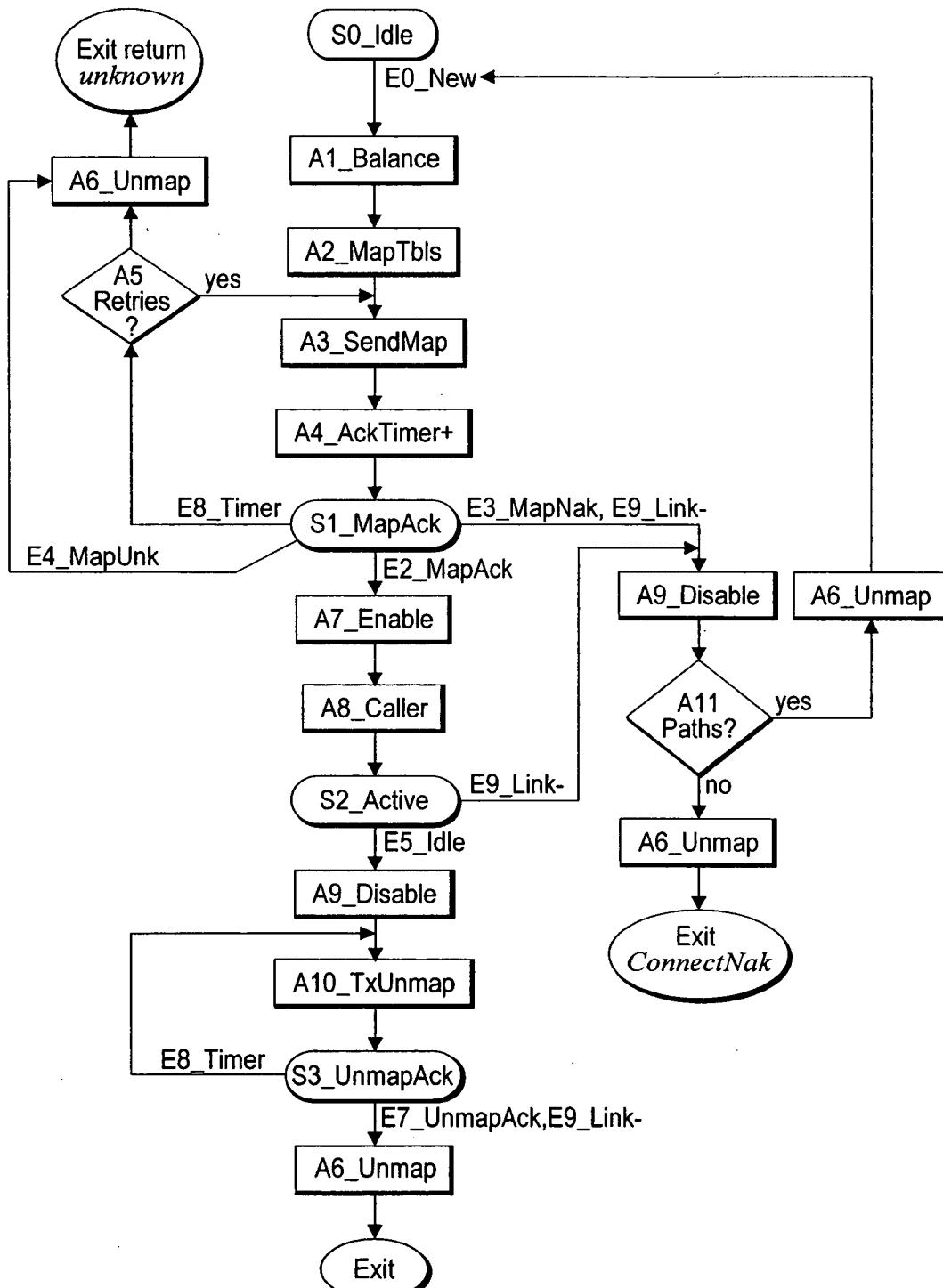


Fig. 9

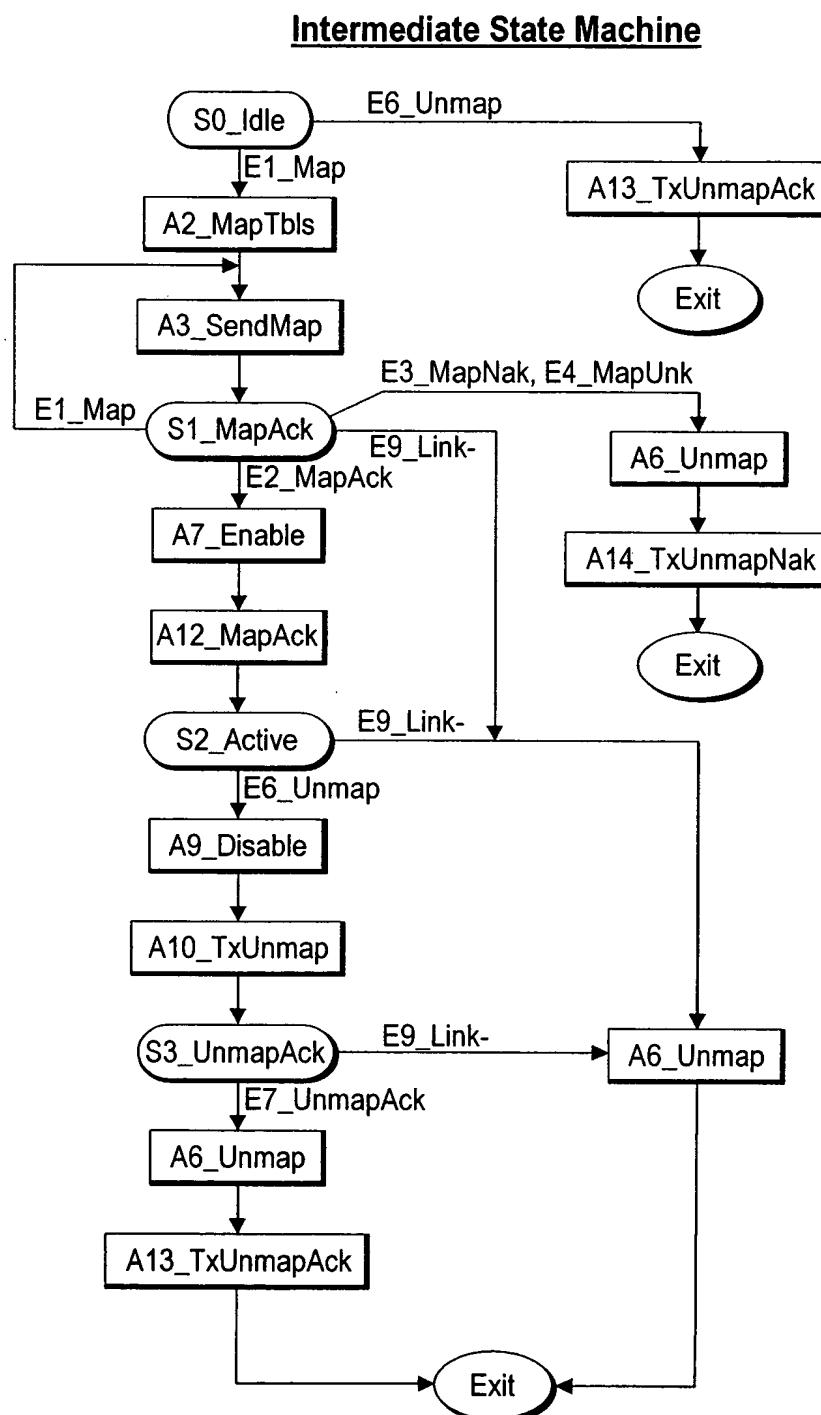


Fig. 10

Egress State Machine

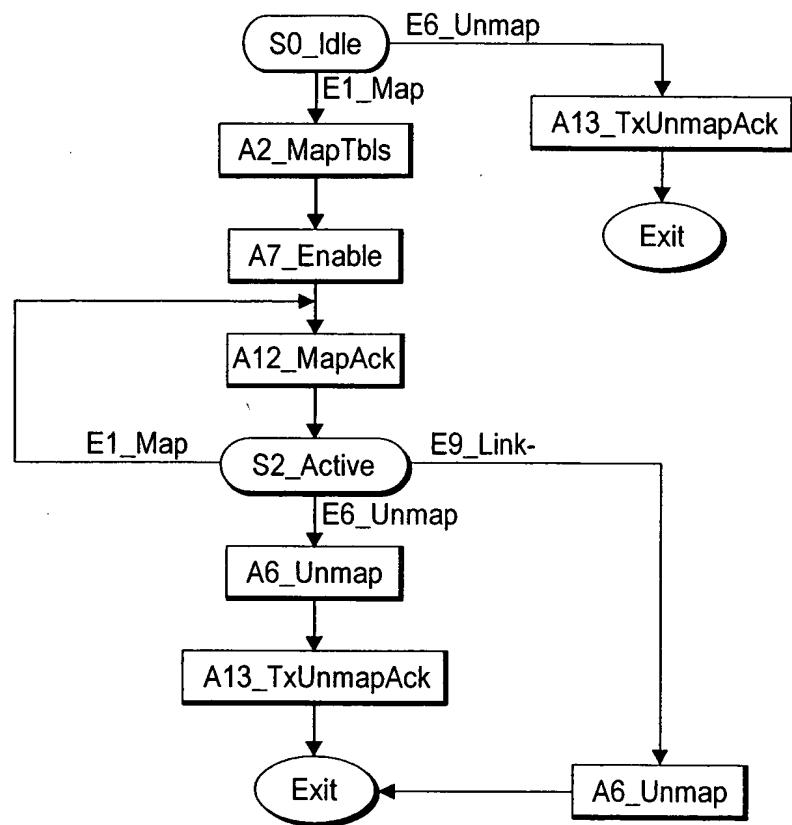


Fig. 11

Traffic Cnx Table

DA	SA	Status	Hop1	Hop2	Hop3
00:00:8E:00:0C:F8	00:00:8E:06:10:2C	1-Building	00:00:1D:1F:19:15_06:00:00:00	72:6E:65:74:00:00_00:00:00:00	61:64:64:72:65:73_73:2E:76:6C

Fig. 12

Traffic Link Table

LinkName	CnxCount
00:00:1D:1F:19:15_06:00:00:00	1
61:64:64:72:65:73_73:2E:76:6C	1
72:6E:65:74:00:00_00:00:00:00	1

Fig. 13

Connection ID	Owner Switch	DA	SA	OPCODE (1 = MAP 2 = MAPACK)	Link Count (Total Ports in Path)	Current Link	Source Port Pairs

Fig. 14

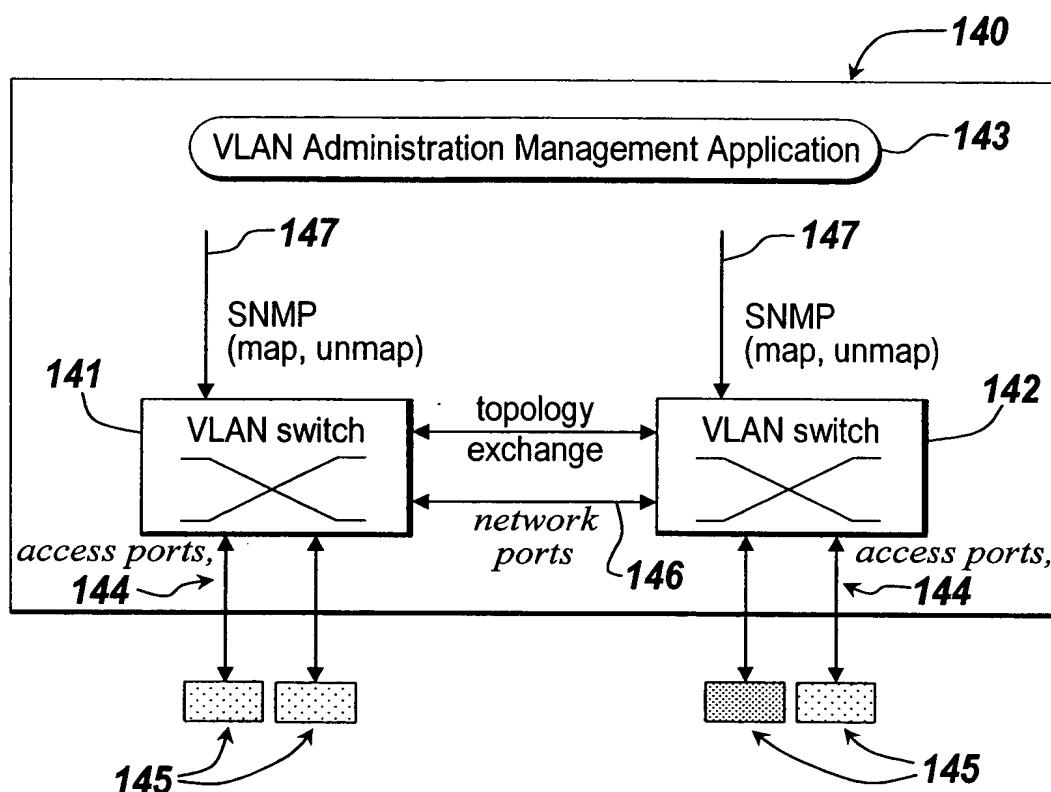


Fig. 15

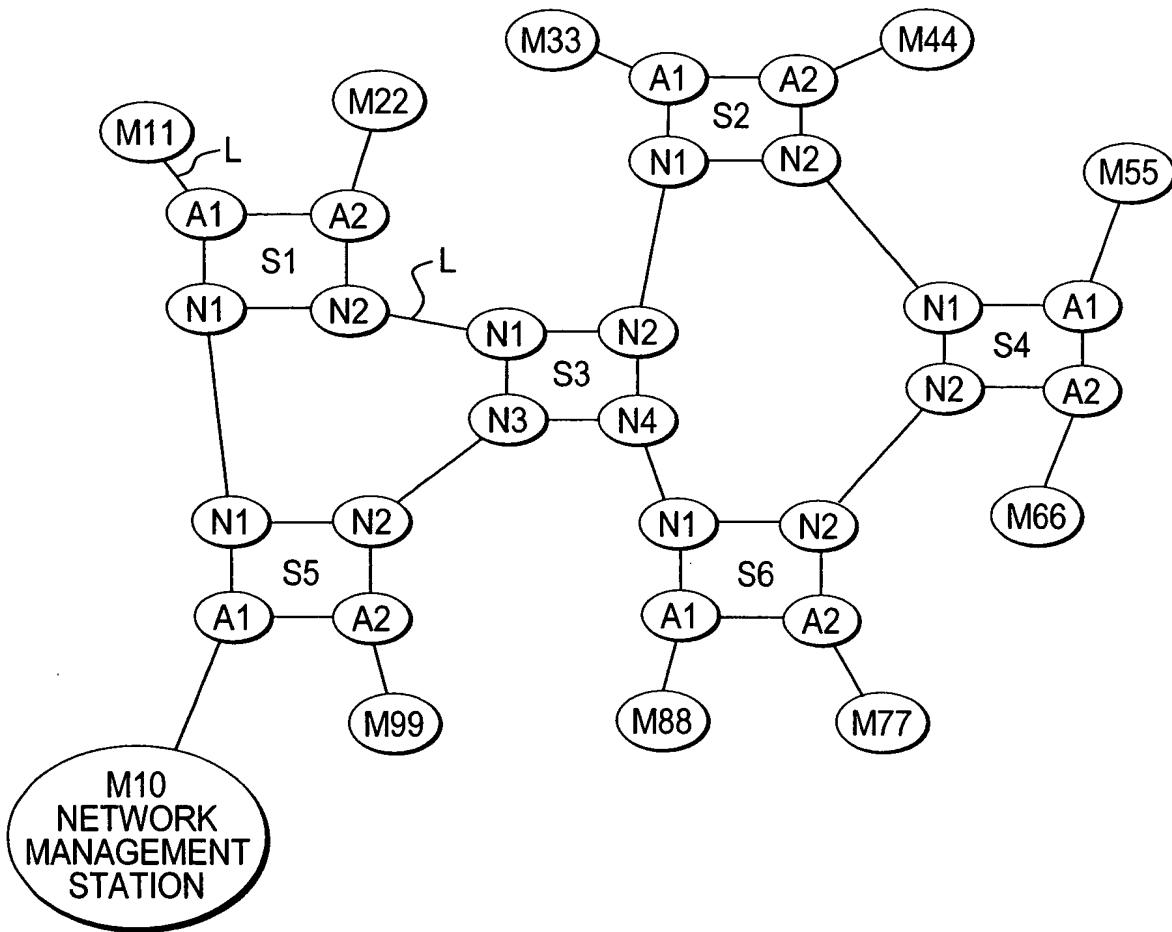


Fig. 16

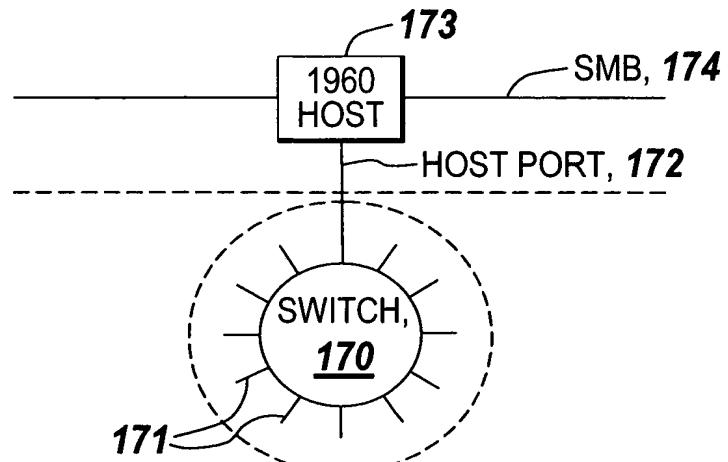


Fig. 17

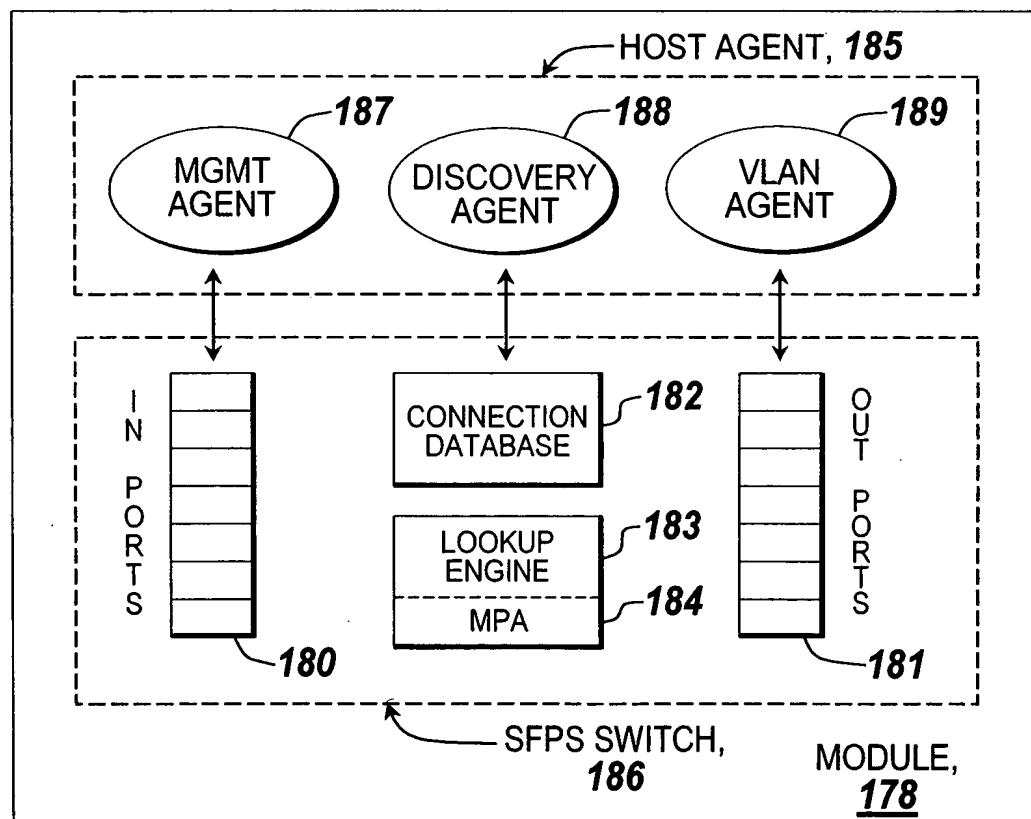


Fig. 18

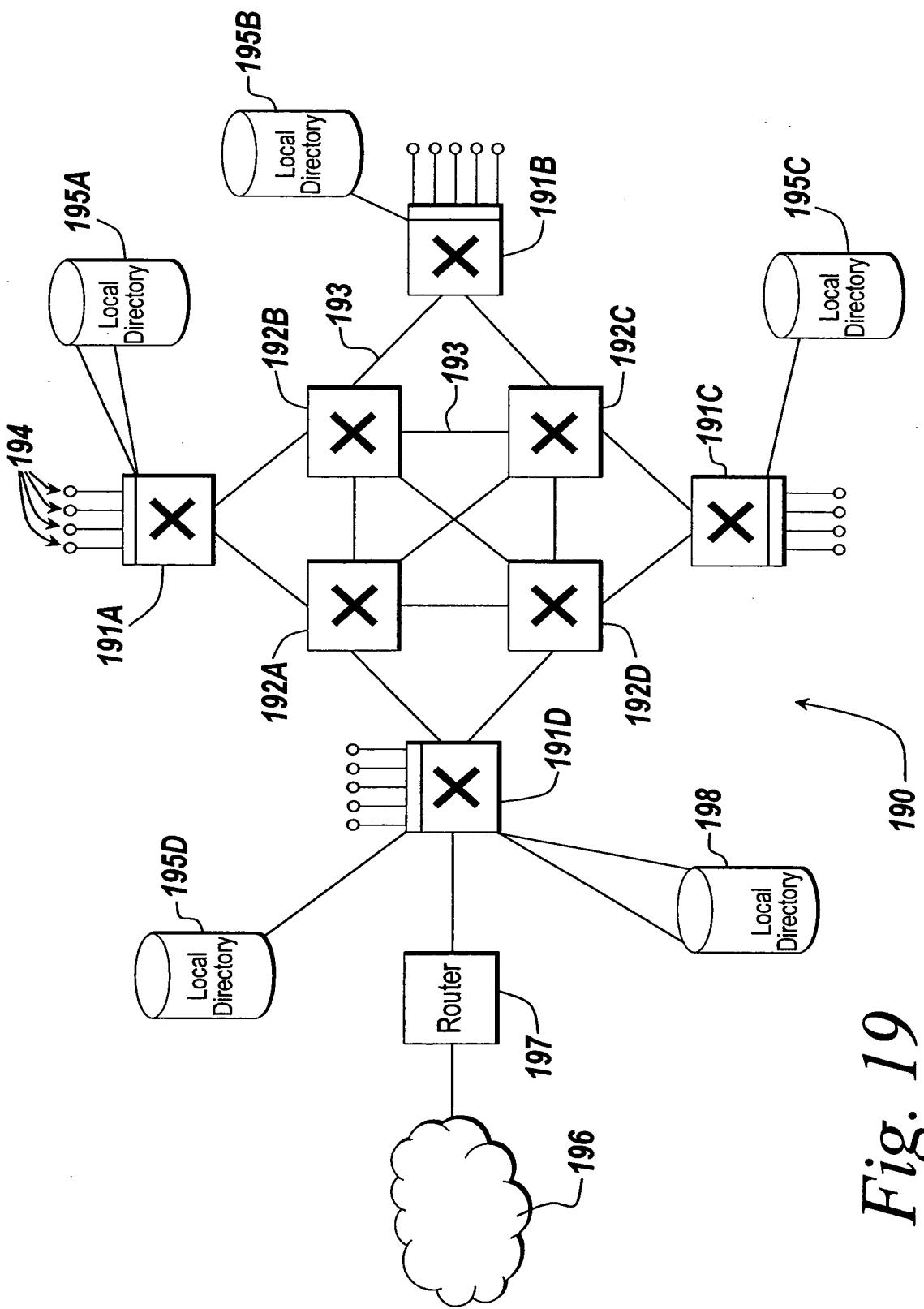


Fig. 19

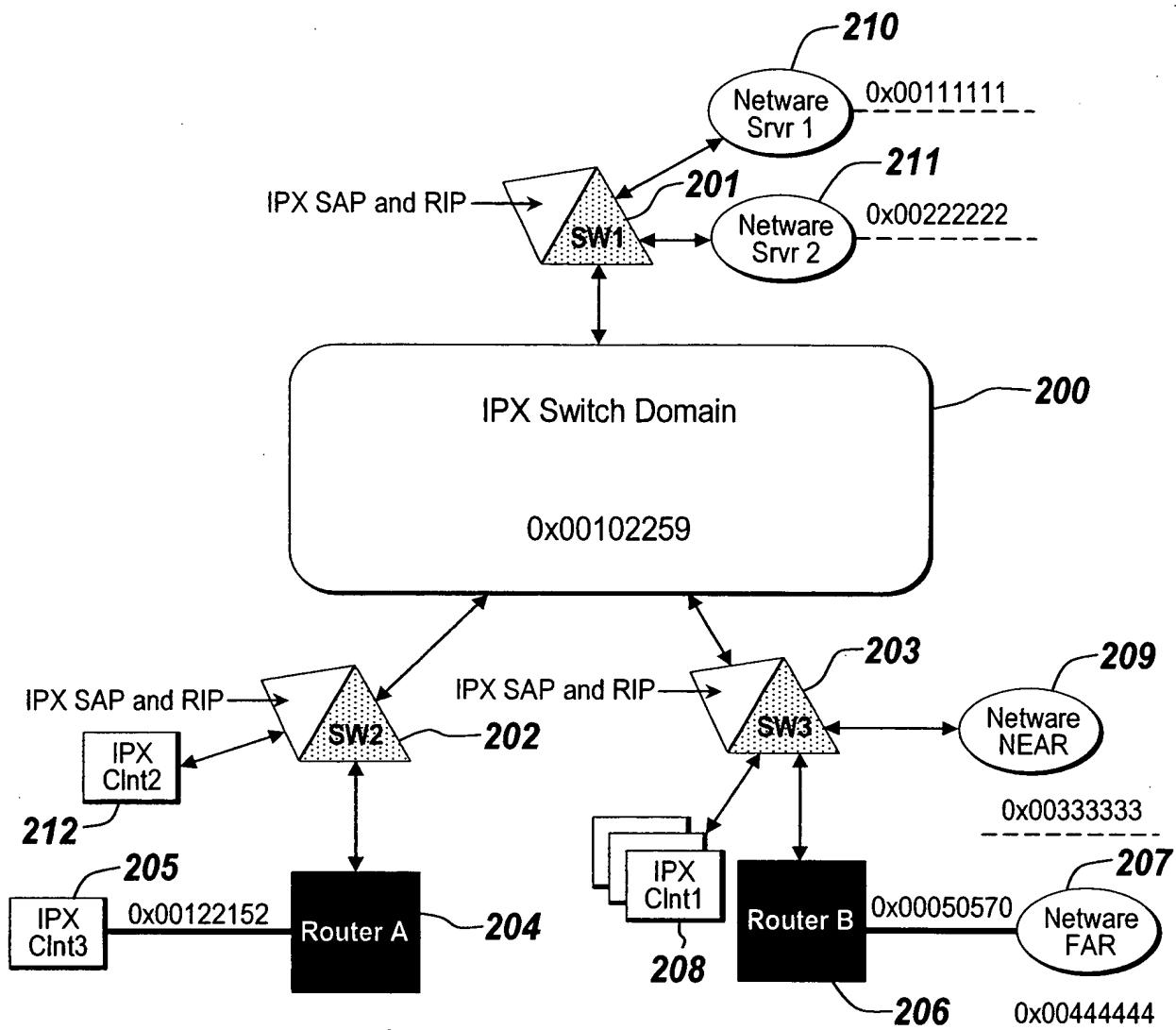


Fig. 20

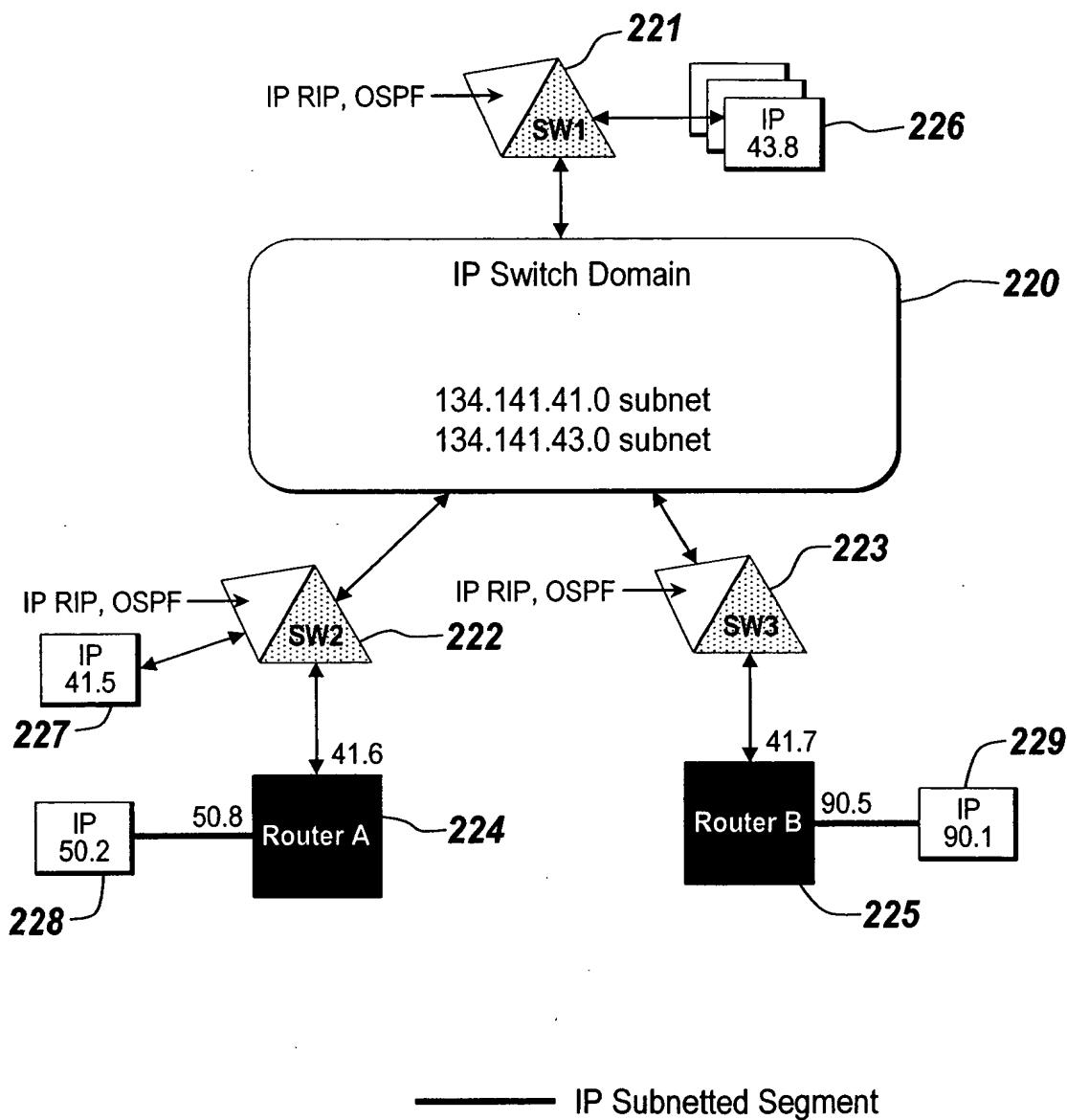


Fig. 21

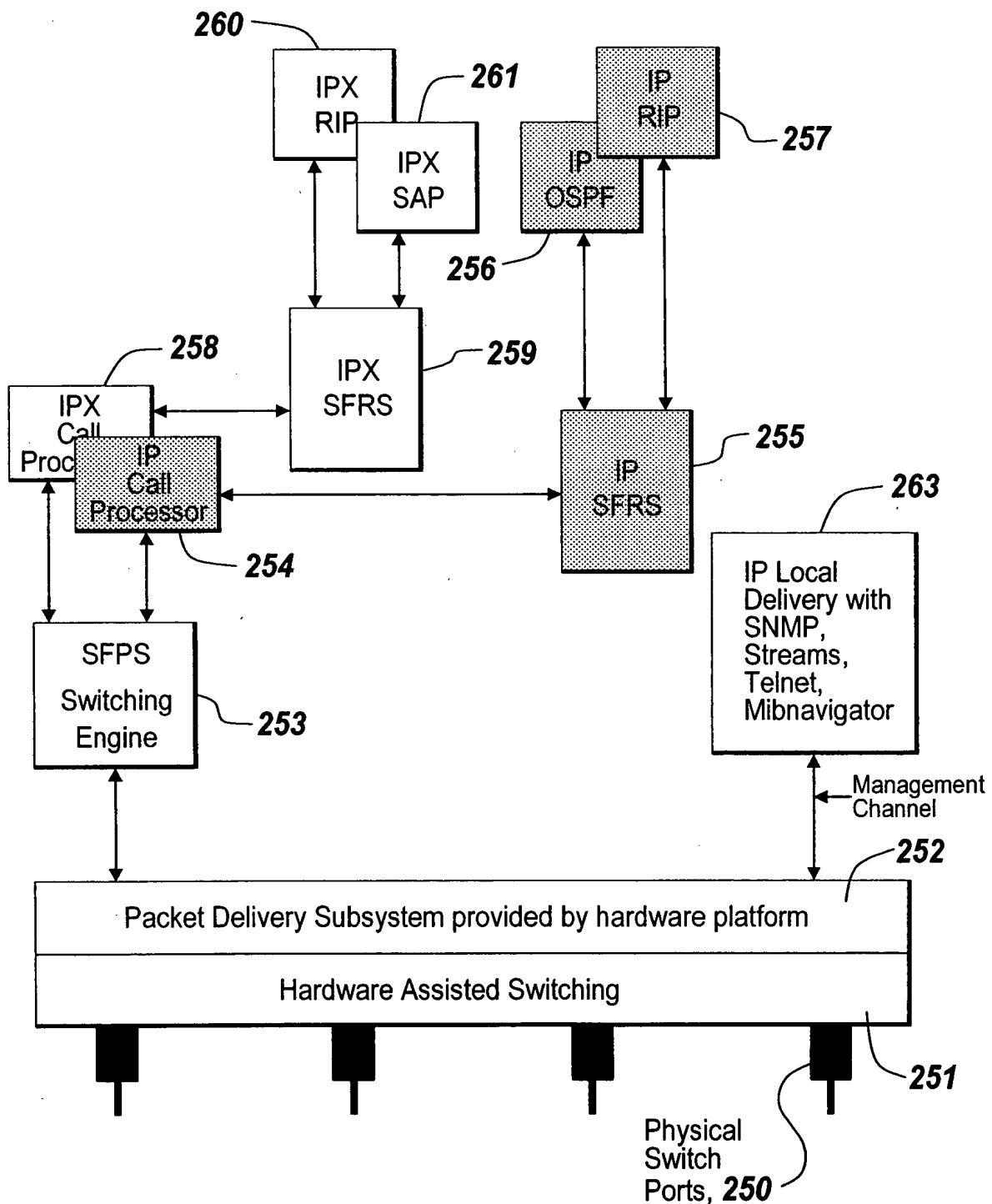


Fig. 22

21/21

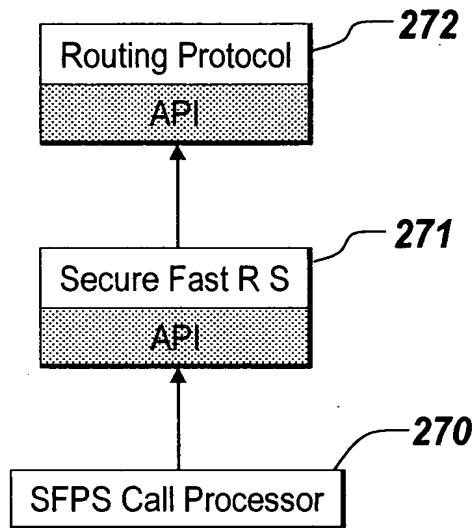


Fig. 23

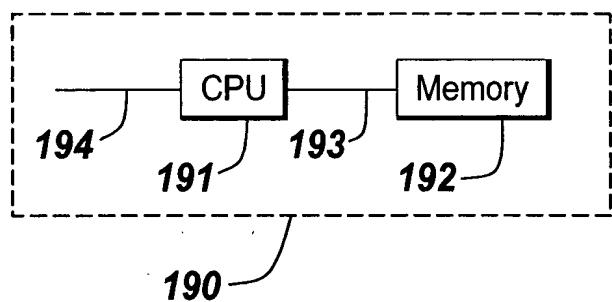


Fig. 24